USER MANUAL

SUMMERAIRE

Built Better to Last Longer

ELECTRIC
WARM AIR FURNACE

Save these instructions for reference

This furnace must be installed by a certified installer
and where required by law, a licenced technician.

FOR SERVICE CALL:

INSTALLATION INFORMATION

Installing Contractor	Telephone Number
Unit Model Number	Unit Serial Number

Date of Installation

MANUFACTURED BY
SUMMERAIRE MANUFACTURING

OPERATING SEQUENCE

HEATING

1. The thermostat initiates the heating cycle activating the controller and the elements of the first heating stage. The blower starts at low speed and at the same time the first two elements turn on. Their respective indicator lights display heating element activity.

2. Approximately 10 seconds after the first two elements activate, the other elements turn on in sequence, one at a time. The blower fan increases speed as each element turns on. After all elements are active the controller enters into automatic modulating mode (if selected) maintaining a comfortable delivered air temperature.

COOLING

The thermostat activates the air conditioning cycle. The blower starts at cooling speed and the A/C condenser is activated. After approximately 7 minutes of cooling operation, the blower speed adjusts to the latent cooling mode to maximize dehumidification. This cycle is cancelable at the dipswitch on the furnace controller if conventional high speed sensible only cooling is preferred. The selection of the modulation or non modulating function must be performed by a qualified technician.

WARNING;FAILURE TO FOLLOW PROPER PROCEDURE MAY RESULT IN SERIOUS HARM OR DEATH.

MANUAL CONTROLS (fig 1)

The POWER option and CONTINUOUS FAN switches are located on the furnace upper panel.

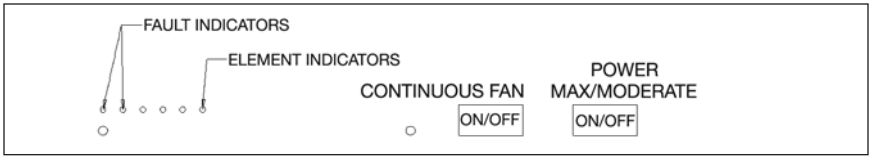
When the POWER switch is set to “MAX”, all heating elements are operational. When the POWER switch is set to “MODERATE”, the furnace operates at reduced heating capacity. This option is best suited to spring and fall conditions or periods of low heat demands.

REMEMBER, during the winter months, this switch should be in the “ON” position to insure heating demand is satisfied.

The POWER switch must be set in the “MAX” position when a 2 – stage thermostat or outdoor thermostat is installed and used to control the electric elements of the second stage.

The “CONTINUOUS FAN” switch turns the blower on to continuous “LOW” speed. This feature will filter the air and provide for better distribution in the building.

Manual Furnace Controls



FAULT INDICATORS

The two left hand element LEDS also serve as fault indicators.
Should the airflow be restricted by dirty air filters, these two LEDs will flash to indicated poor air flow. Simply turn off the furnace and replace the filter with one the same as the original equipment and restart the furnace. The fault condition should reset.

CIRCUIT BREAKER

The circuit breaker is located at the right hand side of the front control panel
In the event that the fan motor or external device failure, the circuit breaker may trip.
Only a licensed technician should investigate the fault condition.
Pushing in the white button will reset the breaker. If the button fails to remain depressed, the fault condition may still exist.
Contact your service technician.

MAINTENANCE

WARNING

RISK OF ELECTRIC SHOCK
TURN OFF all power before servicing unit.
If the power is NOT turned OFF, it can result in property damage, bodily injury or loss of life

PREVENTATIVE MAINTENANCE

Frequent servicing will avoid premature breakdowns. The heating system should be inspected at least annually by a qualified service technician.

Do not attempt to repair the unit or its controls! Call a qualified service technician.

Before calling for repair service, check the following:

1. Check fuses or circuit breaker
2. Check if the 16 amp circuit breaker on the furnace has “tripped”
3. Set the thermostat higher than room temperature. If unit does not start, cut power and call a qualified service technician.

MOTOR LUBRICATION

Do NOT lubricate the blower motor; it is permanently lubricated!

AIR FILTER

This furnace should never be operated without filters.
A DIRTY AIR FILTER CAUSES INEFFICIENCY AND HIGHER OPERATING COSTS

Clean or replace filters each heating season !

Filter specifications for the air filter installed in your Summeraire electric warm air furnace, are listed below. DO NOT SUBSTITUTE !

Filter size : 20 “ X 20 “ x 1 “ – CSA or ULC Certified /Approved
Type: Disposable

Note: Changing the type or size of filter used in your Summeraire furnace can seriously affect the operation of the furnace!

WARRANTY

Summeraire Mfg., subject to the limitations described in this Warranty Certificate, warrants each electric warm air furnace as follows.

1) All electric controls including main control board are warranted for a period of five (5) years from date of sale.

2) Elements are warranted for a period of 5 years from date of sale.

Model number; serial number and date of installation must be provided for all warranty claims.

The foregoing Warranty applies only where the installation of the electric furnace has been made in full accordance with all National and Local laws and ordinances applying to the installation of electric warm air furnaces, and failure is not caused by abuse, or failure to observe proper operating instructions supplied with this furnace.

Warranty extends only to the repair or replacement of parts returned, freight prepaid to our factory in Peterborough, Ontario, and which prove defective after inspection and testing by Summeraire Mfg..
Any labour involved in effecting repair or replacement, including diagnostic labour is excluded from this Warranty.

Warranty of parts replaced under this warranty ONLY assume the remaining period of the Original Warranty.

LIMITATIONS

1) This warranty does not cover defects or damages on equipment without serial number or where the serial number has been erased or modified.
2) This warranty does not apply to damage to the product caused by misuse, failure to provide proper maintenance, accidents, Acts of God or inadequate electric supply.
3) This warranty does not apply to air filters or any other materials which must be replaced in the course of routine maintenance.
4) The operation of this furnace in the presence of corrosive elements such as acids, chlorine, fluorine, or other damaging chemicals voids this warranty.
5) Unauthorized alteration or repair of this appliance affecting product reliability or performance voids this warranty.
6) This product must be installed by a competent, qualified installer in accor-

dance with Summeraire Installation Instructions, applicable local and National Codes. Failure to do so voids this warranty.

7) This warranty applies ONLY to the original homeowner / purchaser.
8) This warranty does not include damages caused by improper matching or application the product or product's components.
9) This warranty is subject to the equipment being serviced and maintained, as outlined in the Installation and User Manuals on an annual basis. Failure to do so may void this warranty.
10) Summeraire Mfg. shall not be responsible for any consequential damages caused by any defect in the product.
11) This is the ONLY warranty made by Summeraire Mfg. All other warranties, conditions or guaranties, expressed or implied are hereby excluded.

Keep your warranty at work for you. Please complete and mail your warranty Registration Card to **Summeraire Mfg., 2040 Fisher Drive, Peterborough, Ontario, Canada, K9J 6X6** to register this warranty.

Manufactured By
Summeraire Manufacturing
Peterborough, Ontario,
Canada, K9J 6X6.